International Conference on Heavy Ion Collisionuin the LHC Era

Journal of Physics: Conference Series Volume 422

Quy Nhon, Vietnam 16-20 July 2012

ISBN: 978-1-62748-299-8

ISSN: 1742-6588

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2012) by the Institute of Physics All rights reserved.

Printed by Curran Associates, Inc. (2013)

For permission requests, please contact the Institute of Physics at the address below.

Institute of Physics Dirac House, Temple Back Bristol BS1 6BE UK

Phone: 44 1 17 929 7481 Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571 USA

Phone: 845-758-0400 Fax: 845-758-2634

Email: curran@proceedings.com Web: www.proceedings.com

Foreword

<u>International Conference on Heavy Ion Collisions in the LHC Era</u> François Arleo, Carlos A Salgado and Jean Tran Thanh Van

Peer review statement

Papers

- 1 <u>Jets, Bulk Matter, and their Interaction in Heavy Ion Collisions at the LHC K Werner,</u> B Guiot, I Karpenko, M Bleicher, T Pierog and S Porteboeuf-Houssais
- 5 Recent elliptic flow results from Beam Energy Scan at STAR S Shi (for the STAR collaboration)
- 9 <u>Boltzmann equation with a nonlocal collision term and the resultant dissipative fluid dynamics</u> A Jaiswal, R S Bhalerao and S Pal
- 13 <u>Higher Harmonics in Heavy Ion Collisions</u> S Jeon
- 17 <u>Global and Collective Dynamics at PHENIX</u> T Niida (for the PHENIX Collaboration)
- 21 Quarkonia production in relativistic heavy ion collisions C M Ko, K Han and T Song
- 25 Collision Rate and Symmetry Factor in Gluon Plasma J Deng and Q Wang
- 29 Quarkonium suppression from parton energy loss S Peigné
- 33 Dynamical Quarkonia Suppression from Complex Potentials J Casalderrey-Solana
- 37 Probing the medium with jets in ALICE P D Nezza (for the ALICE Collaboration)
- 41 <u>Probing nuclear parton densities (and more) from $\gamma + Q$ production in p-A and A-A collisions</u> F Arleo, I Schienbein and T Stavreva
- 45 J/Ψ in nuclear matter G Krein
- 49 Heavy Flavor Results from STAR Q Hao (for the STAR Collaboration)
- 53 <u>Heavy-flavour and quarkonium measurements in Pb–Pb collisions at $\sqrt{S_{\text{NN}}}$ =2.76 TeV with ALICE N Bastid (for the ALICE Collaboration)</u>
- 57 <u>Heavy flavor and Quarkonia in heavy-ion collisions with the CMS</u> H Kim (on behalf of the CMS Collaboration)

- 61 <u>Impact of gluon damping on heavy-quark quenching M Nahrgang, M Bluhm, P B Gossiaux and J Aichelin</u>
- 65 <u>Recent Heavy Flavour Results from ATLAS</u> M Bona (on behalf of the ATLAS Collaboration)
- 69 J/ψ and ψ' production in proton(deuteron)-nucleus collisions: lessons from RHIC for the proton-lead LHC run E G Ferreiro, F Fleuret, J P Lansberg and A Rakotozafindrabe
- 73 W and Z bosons measurement in PbPb collisions with CMS L Benhabib
- 77 Thermal and direct photons in PHENIX S Campbell (for the PHENIX Collaboration)
- 81 Extracting the impact parameter dependence of the nPDFs from the EKS98 and EPS09 global fits I Helenius, K J Eskola, H Honkanen and C A Salgado
- 85 Studies on the QCD Phase Diagram at SPS and FAIR C Blume
- 89 Physics across the phase diagram of QCD S Gupta
- 93 <u>Meson Scattering Identifying the BCS-BEC Crossover at Quark Level S Mao and P Zhuang</u>
- 97 QCD critical point, baryon number fluctuations, and final state interactions M Asakawa
- 101 Gluon saturation at higher orders and improvement of kinematics G Beuf
- 105 Forward particle production in proton-nucleus collisions at the LHC H Fujii
- 109 Unstable dynamics of Yang-Mills fields at early times of heavy ion collisions A Ipp
- 113 <u>Strong-field physics as a new probe of early-time dynamics in heavy-ion collisions</u> K Itakura
- 117 Physics at low x_{Bi} and in eA at the LHeC N Armesto (for the LHeC Study Group)
- 121 <u>J/ψ polarization in pp collisions with ALICE</u> L Bianchi (for the ALICE Collaboration)
- 125 Summary Talk N Armesto